LIST OF CONTENT

LIST OF CONTENT (CONT.)

LIST OF TABLES

Table Page

LIST OF TABLES (CONT.)

Table Page

LIST OF FIGURES

Figure Page

LIST OF FIGURES (CONT.)

Figure Page

ABBREVIATIONS

ABTS	2,2'-azinobis-(3-ethylbenzo-thiazoline-6-sulfonate)
AChE	acetylcholinesterase
ALP	alkaline phosphatase
ALT	alanine aminotransferase
ART	assisted reproductive technology
AST	aspartate aminotransferase
ATP	adenosine triphosphate
BCR	bulbocavernous reflex
BP	blood pressure
B. superba	*Butea superba* Roxb.
BUN	blood urea nitrogen
BW	body weight
°C	degree Celsius
Ca^{2+}	calcium ion
$CaCl_2$	calcium chloride
cAMP	cyclic adenosine monophosphate
cGMP	cyclic guanosine monophosphate
CGRP	calcitonin gene-related peptide
cm	centrimetre
CNS	central nervous system
DB	dried bark
DBPr	dried bark extract of *B. superba* from Phrae Province
DBPy	dried bark extract of *B. superba* from Phayao Province
DPPH	1,1-diphenyl-2-picryl-hydrazyl
DR	dried root

ABBREVIATIONS (CONT.)

DRPr	dried root extract of *B. superba* from Phrae Province
DRPy	dried root extract of *B. superba* from Phayao Province
DW	distilled water
ED	erectile dysfunction
EDTA	ethylenediaminetetra-acetic acid
ER	estrogen receptor
ESI-MS	electrospray ionization -mass spectrometry
FB	fresh bark
FBPr	fresh bark extract of *B. superba* from Phrae Province
FBPy	fresh bark extract of *B. superba* from Phayao Province
FR	fresh root
FRPr	fresh root extract of *B. superba* from Phrae Province
FRPy	fresh root extract of *B. superba* from Phayao Province
FSH	follicle stimulating hormone
g	gram
GnRH	gonadotropin-releasing hormones
GTP	guanosine triphosphate
Hct	hematocrit
H&E	hematoxylin and eosin

ABBREVIATIONS (CONT.)

HEPES	N-(2-hydroxyethyl)piperazine-N′-(2-ethanesulfonic acid) hemisodium salt
hr	hour
HPLC	high pressure liquid chromatography
5-HT	5-hydroxytryptamine, serotonin
IBMX	isobutyl-methylxanthine
ICP	intracavernous pressure
IIEF	international index of erectile dysfunction
IU	international unit
KCl	potassium chloride
kg	kilogram
LD_{50}	median lethal dose
LH	luteinizing hormone
LSD	least significant difference
$MgCl_2$	magnesium chloride
MAP	mean arterial pressure
MPOA	medial preoptic area
NaCl	sodium chloride
O_2	oxygen
OECD	organization for economic cooperation and development
µm	micrometre
mg	milligram
min	minute
ml	millilitre

ABBREVIATIONS (CONT.)

mm	millimeter
MMAS	Massachusetts male aging study
mM	millimolar
NO	nitric oxide
eNOS	endothelial nitric oxide synthase
nNOS	neuronal nitric oxide synthase
iNOS	inducible nitric oxide synthase
PDE	phosphodiesterase
PGE	prostaglandin E
PGE1	prostaglandin E1
PVN	paraventricular nucleus
RBC	red blood cell
SD	standard deviation
SE	standard error of mean
SIN-1	linsidomine chlorhydrate
V	voltage
VCD	vacuum constriction device
VIP	vasoactive intestinal peptide
WBC	white blood cell
wks	weeks